

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|--|---|------------------|---------|------------------|
| S1 | 0 | (polyphase adj filter) and (reducing adj quadrature adj error\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/18 14:35 |
| S2 | 734 | (polyphase adj filter) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/24 16:52 |
| S3 | 96 | ((polyphase adj filter)) and (first and second) adj output\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/24 16:56 |
| S4 | 51 | ((((polyphase adj filter)) and (first and second) adj output\$1) and @ad<="20010330" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/24 16:56 |
| S5 | 51 | (((((polyphase adj filter)) and (first and second) adj output\$1) and @ad<="20010330") and filter\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/24 16:57 |
| S6 | 0 | (((((polyphase adj filter)) and (first and second) adj output\$1) and @ad<="20010330") and filter1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/24 16:57 |
| S7 | 46 | (((((polyphase adj filter)) and (first and second) adj output\$1) and @ad<="20010330") and filters | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/24 16:57 |
| S8 | 1468715 | (((((polyphase adj filter)) and (first and second) adj output\$1) and @ad<="20010330") and filters) and adjust\$3 or vary\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/24 16:57 |
| S9 | 36 | (((((polyphase adj filter)) and (first and second) adj output\$1) and @ad<="20010330") and filters) and (adjust\$3 or vary\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/24 16:58 |
| S10 | 13 | ((((((polyphase adj filter)) and (first and second) adj output\$1) and @ad<="20010330") and filters) and (adjust\$3 or vary\$3)) and differential | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 10:27 |
| S11 | 6 | ("5357284" "5574671" "5867542" "6023491" "6310925" "6337601").PN. | USPAT | OR | OFF | 2004/06/25 10:22 |
| S12 | 33 | phase adj splitt\$3 adj filter\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 10:28 |

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| S13 | 2 | (phase adj splitt\$3 adj filter\$1) and first adj output | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 08:43 |
| S14 | 376 | 375/298.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 11:19 |
| S15 | 3477 | 375/298.ccls. and (polyphase adj filter\$1) (phase adj split\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 10:48 |
| S16 | 13 | 375/298.ccls. and ((polyphase adj filter\$1) (phase adj split\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 10:48 |
| S17 | 9 | (375/298.ccls. and ((polyphase adj filter\$1) (phase adj split\$4))) and @ad<="20010330" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 10:50 |
| S18 | 0 | ((375/298.ccls. and ((polyphase adj filter\$1) (phase adj split\$4)))) and @ad<="20010330") and (variable adj resistnce) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 10:50 |
| S19 | 0 | ((375/298.ccls. and ((polyphase adj filter\$1) (phase adj split\$4)))) and @ad<="20010330") and (variable adj resistance) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 10:50 |
| S20 | 115 | 375/302.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 11:19 |
| S21 | 8 | 375/302.ccls. and ((phase adj split\$4) (polyphase adj filter\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 11:20 |
| S22 | 6 | (375/302.ccls. and ((phase adj split\$4) (polyphase adj filter\$1))) and @ad<="20010330" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 16:35 |
| S23 | 2 | "6441682".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 17:15 |
| S24 | 268545 | (transmitter and receiver) transceiver\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 08:12 |

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|-----|--------|--|---|----|-----|------------------|
| S25 | 277 | ((transmitter and receiver) transceiver\$1) and polyphase adj filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 17:16 |
| S26 | 204 | ((((transmitter and receiver) transceiver\$1) and polyphase adj filter) and quadrature | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 17:17 |
| S27 | 110 | (((((transmitter and receiver) transceiver\$1) and polyphase adj filter) and quadrature) and local adj oscillator | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 08:11 |
| S28 | 166678 | ((((((transmitter and receiver) transceiver\$1) and polyphase adj filter) and quadrature) and local adj oscillator) and "a adj2 d" or (analog adj2 digital) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 17:18 |
| S29 | 87 | ((((((transmitter and receiver) transceiver\$1) and polyphase adj filter) and quadrature) and local adj oscillator) and ("a adj2 d" or (analog adj2 digital)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 17:18 |
| S30 | 51 | ((((((transmitter and receiver) transceiver\$1) and polyphase adj filter) and quadrature) and local adj oscillator) and ("a adj2 d" or (analog adj2 digital))) and phase near detect\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 17:19 |
| S31 | 49 | ((((((transmitter and receiver) transceiver\$1) and polyphase adj filter) and quadrature) and local adj oscillator) and ("a adj2 d" or (analog adj2 digital))) and phase near detect\$3) and rf | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 17:19 |
| S32 | 31 | ((((((transmitter and receiver) transceiver\$1) and polyphase adj filter) and quadrature) and local adj oscillator) and ("a adj2 d" or (analog adj2 digital))) and phase near detect\$3) and rf) and @ad<="20010330" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/25 17:20 |
| S33 | 132 | receiver with (polyphase adj filter\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 08:44 |
| S34 | 93 | (receiver with (polyphase adj filter\$1)) and (local adj oscillator\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 08:44 |

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| S35 | 40 | ((receiver with (polyphase adj filter\$1)) and (local adj oscillator\$1)) and (base adj2 band) and (analog adj2 digital or ("a/d")) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 08:45 |
| S36 | 40 | ((((receiver with (polyphase adj filter\$1)) and (local adj oscillator\$1)) and (base adj2 band) and (analog adj2 digital or ("a/d")))) and rf | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 08:46 |
| S37 | 27 | (((((receiver with (polyphase adj filter\$1)) and (local adj oscillator\$1)) and (base adj2 band) and (analog adj2 digital or ("a/d")))) and rf) and @ad<="20010330" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 08:46 |
| S38 | 1 | ((((((receiver with (polyphase adj filter\$1)) and (local adj oscillator\$1)) and (base adj2 band) and (analog adj2 digital or ("a/d")))) and rf) and @ad<="20010330") and (transceiver\$1 or transmitter\$1)) and (phase adj2 split\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 08:47 |
| S39 | 27 | (((((receiver with (polyphase adj filter\$1)) and (local adj oscillator\$1)) and (base adj2 band) and (analog adj2 digital or ("a/d")))) and rf) and @ad<="20010330") and (transceiver\$1 or transmitter\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:10 |
| S40 | 17 | quadrature adj separation | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:11 |
| S41 | 4 | (quadrature adj separation) and (local adj oscillator) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:23 |
| S42 | 0 | ((quadrature adj separation) and (local adj oscillator)) and (test or reference) adj signal | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:13 |
| S43 | 7748 | quadrature and ((test or reference) adj signal) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:14 |
| S44 | 2012 | (quadrature and ((test or reference) adj signal)) and (local adj oscillator) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:14 |

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| S45 | 82 | ((quadrature and ((test or reference) adj signal)) and (local adj oscillator)) and detect\$3 near (phase adj difference\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:15 |
| S46 | 67 | ((quadrature and ((test or reference) adj signal)) and (local adj oscillator)) and detect\$3 near (phase adj difference\$1)) and @ad<="20010330" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:16 |
| S47 | 54 | ((quadrature and ((test or reference) adj signal)) and (local adj oscillator)) and detect\$3 near (phase adj difference\$1)) and @ad<="20010330") and mix\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:16 |
| S48 | 32 | ((quadrature and ((test or reference) adj signal)) and (local adj oscillator)) and detect\$3 near (phase adj difference\$1)) and @ad<="20010330") and mix\$3) and baseband | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:16 |
| S49 | 1 | ((quadrature and ((test or reference) adj signal)) and (local adj oscillator)) and detect\$3 near (phase adj difference\$1)) and @ad<="20010330") and mix\$3) and baseband) and adjust\$3 near (phase adj difference\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:17 |
| S50 | 2 | "6330290".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:29 |
| S51 | 935 | split\$4 with (local adj oscillator) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:39 |
| S52 | 267 | (split\$4 with (local adj oscillator)) and (phase adj difference) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:30 |
| S53 | 0 | ((split\$4 with (local adj oscillator)) and (phase adj difference)) and detect\$3 near (phase adj difference)) and adjust\$3 near (phase adj difference) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:31 |
| S54 | 13 | ((split\$4 with (local adj oscillator)) and (phase adj difference)) and detect\$3 near (phase adj difference) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:31 |

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| S55 | 138 | split\$4 near (local adj oscillator) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:39 |
| S56 | 4 | (split\$4 near (local adj oscillator)) and ((mixing) and detect\$3 near (phase adj difference)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:40 |
| S57 | 3 | ((split\$4 near (local adj oscillator)) and ((mixing) and detect\$3 near (phase adj difference))) and @ad<="20010330" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 10:56 |
| S58 | 2 | "6621876".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 11:14 |
| S59 | 7 | ("5541953" "5633893" "5818867" "5822362" "5987072" "6320914" "6459742").PN. | USPAT | OR | OFF | 2004/06/28 11:13 |
| S60 | 711 | 375/296.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 11:14 |
| S61 | 6 | 375/296.ccls. and split\$4 with (local adj oscillator) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 11:24 |
| S62 | 5 | (375/296.ccls. and split\$4 with (local adj oscillator)) and quadrature | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 11:24 |
| S63 | 127 | 375/319.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 11:23 |
| S64 | 0 | (375/319.ccls. and split\$4 with (local adj oscillator)) and adjusting near (phase adj difference\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 11:22 |
| S65 | 3 | 375/319.ccls. and split\$4 with (local adj oscillator) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 11:22 |
| S66 | 193 | 375/144.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 11:23 |

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| S67 | 1 | 375/144.ccls. and split\$4 with (local adj oscillator) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 11:23 |
| S68 | 105 | 375/325.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 11:26 |
| S69 | 3 | 375/325.ccls. and split\$4 with (local adj oscillator) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 11:27 |
| S70 | 3 | (375/325.ccls. and split\$4 with (local adj oscillator)) and quadrature | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 11:24 |
| S71 | 241 | 455/110.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 11:26 |
| S72 | 2 | 455/110.ccls. and split\$4 with (local adj oscillator) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/06/28 11:27 |
| S73 | 0 | ((transmitte\$1 and receiver\$) or transceiver\$1) and ("a adj2 d" and "d adj2 a") and (signal adj generator\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/07/06 10:53 |
| S74 | 0 | ((transmitte\$1 and receiver\$) or transceiver\$1) and ("a adj2 d" and "d adj2 a") | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/07/06 10:54 |
| S75 | 0 | ((transmit\$3 and receiver\$) or transceiver\$1) and ("a adj2 d" and "d adj2 a") | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/07/06 10:54 |
| S76 | 0 | ((transmit\$3 and receiver\$) or transceiver\$1) and ("a adj2 d") | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/07/06 10:54 |
| S77 | 385711 | ((transmit\$3 and receiver\$) or transceiver\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/07/06 10:55 |
| S78 | 42886 | ((transmit\$3 and receiver\$) or transceiver\$1)) and (analog adj2 digital) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/07/06 10:55 |

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| S79 | 15795 | (((((transmit\$3 and receiver\$) or transceiver\$1)) and (analog adj2 digital)) and signal adj generat\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/07/06 10:56 |
| S80 | 368 | (((((transmit\$3 and receiver\$) or transceiver\$1)) and (analog adj2 digital)) and signal adj generat\$3) and modulat\$3 near (rf adj2 carrier) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/07/06 10:57 |
| S81 | 0 | (((((transmit\$3 and receiver\$) or transceiver\$1)) and (analog adj2 digital)) and signal adj generat\$3) and modulat\$3 near (rf adj2 carrier)) and polyphase adj filter\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/07/06 10:58 |
| S82 | 195 | (((((transmit\$3 and receiver\$) or transceiver\$1)) and (analog adj2 digital)) and signal adj generat\$3) and modulat\$3 near (rf adj2 carrier)) and local adj oscillator | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/07/06 10:58 |
| S83 | 132 | (((((transmit\$3 and receiver\$) or transceiver\$1)) and (analog adj2 digital)) and signal adj generat\$3) and modulat\$3 near (rf adj2 carrier)) and local adj oscillator) and baseband | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/07/06 10:58 |
| S84 | 28 | quadrature adj accuracy | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/03 14:42 |
| S85 | 1 | S84 and phase adj splitt\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/03 14:33 |
| S86 | 1 | S84 and poly adj2 phase | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/03 14:34 |
| S87 | 14 | S84 and @ad<="20010330" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/03 14:43 |
| S88 | 28 | quadrature adj accurac\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/03 14:43 |
| S89 | 29 | quadrature adj accurac\$2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/03 14:43 |

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| S90 | 15 | S89 and @ad<="20010330" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/03 14:43 |
| S91 | 4 | (US-6417737-\$ or US-6404293-\$ or US-5787126-\$ or US-5489878-\$).did. | USPAT | OR | OFF | 2004/12/03 15:09 |
| S92 | 0 | S91 and (variable adj resistor\$1) | USPAT | OR | OFF | 2004/12/03 15:35 |
| S93 | 2 | "6621876".pn. "6441682".pn. | USPAT | OR | OFF | 2004/12/03 15:36 |
| S94 | 6 | "6313680".pn. "6310502".pn. "4908532".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/06 08:24 |
| S95 | 3 | (US-6313680-\$ or US-6310502-\$ or US-4908532-\$).did. | USPAT | OR | OFF | 2005/07/25 12:45 |
| S96 | 1 | S95 and variable adj resistor | USPAT | OR | OFF | 2004/12/06 08:25 |
| S97 | 3 | (US-6313680-\$ or US-6310502-\$ or US-4908532-\$).did. | USPAT | OR | OFF | 2004/12/06 09:15 |
| S98 | 2 | S97 and differential | USPAT | OR | OFF | 2004/12/06 09:31 |
| S99 | 2 | "6621876".pn. "6441682".pn. | USPAT | OR | OFF | 2004/12/06 09:31 |
| S10 0 | 2 | "6310502".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 13:34 |
| S10 1 | 6 | "6310502".pn. "6313680".pn. "4908532".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 13:36 |
| S10 2 | 1 | S101 and (oscillator or vco) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 13:37 |
| S10 3 | 0 | S102 and test adj signal | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 13:36 |
| S10 4 | 9 | 327/231.ccls. and (phase adj split\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 13:46 |
| S10 5 | 4 | S104 and oscillator\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 13:46 |
| S10 6 | 0 | S105 and test adj signal | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 13:38 |

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| S10 7 | 1 | S105 and reference adj signal | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 13:46 |
| S10 8 | 117 | 327/244.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 13:44 |
| S10 9 | 2302 | "11" and (phase adj split\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 13:45 |
| S11 0 | 1 | S108 and (phase adj split\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 13:45 |
| S11 1 | 12 | 327/236-238.ccls. and (phase adj split\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 15:37 |
| S11 2 | 7 | S111 and oscillator\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 13:46 |
| S11 3 | 0 | S112 and ((reference or test) adj signal) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 13:47 |
| S11 4 | 0 | S112 and first adj splitter\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 13:47 |
| S11 5 | 2 | (phase adj splitt\$3) with ((base adj2 band) adj signal) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/10 15:38 |
| S11 6 | 2 | (variable adj resist\$4) with (switchable adj resistance) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/11 12:55 |
| S11 7 | 0 | (variable adj resist\$4) and (digital with (switchable adj resistance)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/11 12:56 |
| S11 8 | 3 | (variable adj resist\$4) and (digital with (switchable adj resist\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/11 12:56 |

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| S11 9 | 1147 | phase adj splitt\$3 with output | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 13:34 |
| S12 0 | 1280 | phase adj split\$4 with output | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 13:34 |
| S12 1 | 38 | S120 and second adj phase adj split\$4 with output | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 13:49 |
| S12 2 | 2 | S121 and variable adj resist\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 15:58 |
| S12 3 | 0 | first adj phase adj split\$3 adj filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:11 |
| S12 4 | 7 | phase adj split\$3 adj filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 15:59 |
| S12 5 | 6 | S124 and @ad<="20010330" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:03 |
| S12 6 | 134 | 375/302.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:03 |
| S12 7 | 4 | S126 and phase adj splitt\$3 adjfilter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:09 |
| S12 8 | 4 | S127 and @ad<="20010330" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:08 |
| S12 9 | 226 | 375/144.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:08 |
| S13 0 | 0 | S129 and first adj phase adj split\$3 adj filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:08 |

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| S13 1 | 0 | S129 and phase adj splitt\$3 adj filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:09 |
| S13 2 | 2 | "6313680".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:10 |
| S13 3 | 118 | 327/244.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:11 |
| S13 4 | 0 | S133 and first adj phase adj split\$3 adj filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:11 |
| S13 5 | 0 | S133 and phase adj split\$3 adj filter | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:11 |
| S13 6 | 1 | S133 and phase adj split\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:12 |
| S13 7 | 110 | 327/236.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:11 |
| S13 8 | 1 | S137 and phase adj split\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/14 16:12 |
| S13 9 | 2 | "6313680".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/18 09:48 |
| S14 0 | 2 | "6310869.pn" "6044103".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/18 09:49 |
| S14 1 | 0 | "6310869.pn." | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/18 09:49 |
| S14 2 | 0 | "6310869.pn." | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/18 09:50 |

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| S14 3 | 515 | holtzman.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/18 09:50 |
| S14 4 | 3 | S143 and "869" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/18 09:52 |
| S14 5 | 2 | "6310869".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/18 09:53 |
| S14 6 | 2 | "6313680".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/26 08:35 |
| S14 7 | 71230 | (quadrature adj (seperation or separation)) or (in adj2 phase) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/18 14:36 |
| S14 8 | 425 | S147 and oscillat\$3 with splitt\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/18 14:36 |
| S14 9 | 284 | S148 and mix\$3 with signal\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/18 14:37 |
| S15 0 | 97 | S149 and detect\$3 with (phase adj difference) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/18 14:39 |
| S15 1 | 69 | S150 and (@ad<="20010330" or @pd<="20010330") | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/18 14:38 |
| S15 2 | 2 | S151 and (detect\$3 with (phase adj difference) with ((I or Q) or (an adj2 phase))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/18 14:40 |
| S15 3 | 6 | "5929704".pn. "580908".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/22 16:15 |
| S15 4 | 4 | "5929704".pn. "5809088".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/22 16:17 |

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| S15 5 | 0 | S154 and variable adj resist\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/22 16:18 |
| S15 6 | 4 | "5929704".pn. "5808088".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/25 10:39 |
| S15 7 | 2 | (US-5809088-\$ or US-5929704-\$). did. | USPAT | OR | OFF | 2005/07/25 10:40 |
| S15 8 | 2 | S157 and oscillator | USPAT | OR | OFF | 2005/07/25 11:11 |
| S15 9 | 0 | "6313680.pn" | USPAT | OR | OFF | 2005/07/25 11:12 |
| S16 0 | 0 | "6313680.pn." | USPAT | OR | OFF | 2005/07/25 11:12 |
| S16 1 | 0 | "6313680.pn." | USPAT | OR | OFF | 2005/07/25 11:12 |
| S16 2 | 254441 | ("i" and "q") or (in adj2 phase or (quadrature)) | USPAT | OR | OFF | 2005/07/25 13:22 |
| S16 3 | 90 | S162 and ((test adj signal) with carrier) | USPAT | OR | OFF | 2005/07/25 12:48 |
| S16 4 | 87 | S163 and (@ad<="20010330" or @pd<="20010330") | USPAT | OR | OFF | 2005/07/25 13:24 |
| S16 5 | 49 | S164 and (phase with detect\$3) | USPAT | OR | OFF | 2005/07/25 13:05 |
| S16 6 | 1 | S165 and phase adj2 splitt\$3 | USPAT | OR | OFF | 2005/07/25 13:05 |
| S16 7 | 4 | S165 and variable adj2 resist\$5 | USPAT | OR | OFF | 2005/07/25 13:06 |
| S16 8 | 7133 | generat\$3 with (("i" and "q") or (in adj2 phase or (quadrature)) with (test or carrier) adj2 signal\$1) | USPAT | OR | OFF | 2005/07/25 13:23 |
| S16 9 | 1199 | generat\$3 adj3 (("i" and "q") or (in adj2 phase or (quadrature)) with (test or carrier) adj2 signal\$1) | USPAT | OR | OFF | 2005/07/25 13:24 |
| S17 0 | 28 | generat\$3 adj3 ((in adj2 phase or (quadrature)) with (test or carrier) adj2 signal\$1) | USPAT | OR | OFF | 2005/07/25 13:25 |
| S17 1 | 24 | S170 and (@ad<="20010330" or @pd<="20010330") | USPAT | OR | OFF | 2005/07/25 13:26 |
| S17 2 | 35 | generat\$3 adj3 ((in adj2 phase or (quadrature)) with (test or carrier) adj2 signal\$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/25 13:25 |

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| S17 3 | 25 | S172 and (@ad<="20010330" or @pd<="20010330") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/25 14:14 |
| S17 4 | 21 | S173 and (test or carrier) with output | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/25 14:12 |
| S17 5 | 0 | "2005/0078672" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/25 13:44 |
| S17 6 | 2 | "20050078672" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/25 13:46 |
| S17 7 | 2 | "20050078672" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/25 13:50 |
| S17 8 | 2 | "20030076842 " | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/25 13:50 |
| S17 9 | 2608 | (test or carrier or tone) adj2 signal with (quadrature) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/25 14:16 |
| S18 0 | 468 | S179 and phase adj detect\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/25 14:13 |
| S18 1 | 33 | S180 and phase adj splitt\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/25 14:14 |
| S18 2 | 27 | S181 and (@ad<="20010330" or @pd<="20010330") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/25 14:14 |

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| S18 3 | 6 | S182 and (test or carrier or tone) adj2 output | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/07/25 14:17 |
| S18 4 | 4 | "6317589".pn. "5929704".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/26 12:33 |
| S18 5 | 4 | "6310869".pn. "6044103".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/26 12:58 |
| S18 6 | 2 | "6,313,680".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/26 14:14 |
| S18 7 | 2 | "5929704".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/26 14:39 |
| S18 8 | 71 | transmitter with ("a" adj2 "d") and ("d" adj2 "a") and (rf adj carrier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/26 14:57 |
| S18 9 | 58 | S188 and (@ad<="20010330" or @pd<="20010330") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/26 14:57 |
| S19 0 | 22 | S189 and local adj oscillator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/26 14:58 |

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| S19 1 | 38 | S189 and baseband | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/26 14:58 |
| S19 2 | 11 | S190 and baseband | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/26 14:43 |
| S19 3 | 48 | (transmitter and receiver) with ("a" adj2 "d") and ("d" adj2 "a") and (rf adj carrier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/26 14:57 |
| S19 4 | 37 | S193 and (@ad<="20010330" or @pd<="20010330") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/26 14:57 |
| S19 5 | 12 | S194 and local adj oscillator | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/26 14:58 |
| S19 6 | 9 | S195 and baseband | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/26 14:58 |
| S19 7 | 8 | S196 and ((signal adj processor) (processor)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/26 14:59 |

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| S19 8 | 62 | ("3204035" "4001702" "4228517" "4238849" "4281217" "4379947" "4403331" "4476573" "4498195" "4507746" "4513288" "4621355" "4633285" "4658296" "4660192" "4674121" "4712240" "5038402" "5073898" "5103459" "5121211" "5121407" "5133081" "5136611" "5150377" "5164959" "5175710" "5202900" "5210770" "5216693" "5218717" "5222101" "5239560" "5241562" "5249200" "5278826" "5278844" "5280537" "5282222" "5285472" "5287388" "5291289" "5291520" "5297033" "5307378" "5309474" "5343499" "5436930" "5442661" "5452328" "5465396" "5488629" "5497372" "5533013" "5577024" "5588022" "5615227" "5640423" "5757854" "5838799" "5850415").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/26 15:14 |
| S19 9 | 1 | "6606483".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/26 15:37 |
| S20 0 | 1 | "5929704".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/26 16:00 |
| S20 1 | 1 | "6313680".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/26 16:10 |
| S20 2 | 3 | "6313680".pn. "6606483".pn. "5929704".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/26 16:11 |
| S20 3 | 1 | S202 and open adj loop | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/26 16:11 |
| S20 4 | 0 | (first adj1 filter and second adj1 filter) near2 rc adj1 network and variable adj resistance | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/18 17:13 |

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| S20 5 | 0 | (first adj1 filter and second adj1 filter) near2 rc adj1 network | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/18 17:13 |
| S20 6 | 1 | (first with filter and second with filter) near2 rc adj1 network | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/18 17:15 |
| S20 7 | 1 | phase near split\$4 near ((first and second) with filter) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/18 17:18 |
| S20 8 | 2 | phase near split\$4 near rc | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/18 17:18 |
| S20 9 | 11 | ("3559042" "3618133" "4123712" "4326109" "4647843" "4893035" "5084686" "5608796" "5715529" "6031739").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 17:43 |
| S21 0 | 211 | phase near2 split\$4 with phase near2 detect\$3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 17:46 |
| S21 1 | 24 | S210 and rc | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 17:45 |
| S21 2 | 24 | S211 and (@ad<="20010930" or @pd<="20010930") | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/18 17:47 |
| S21 3 | 276 | phase near2 split\$4 with phase near2 detect\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/10/18 17:46 |
| S21 4 | 24 | S213 and rc | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/10/18 17:47 |
| S21 5 | 24 | S212 and (@ad<="20010930" or @pd<="20010930") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2005/10/18 17:47 |
| S21 6 | 5 | (adjust\$3 near2 phase) near variable adj1 resistance | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/24 12:52 |

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| S21 7 | 3 | S216 and (@ad<="20010930" or @pd<="20010930") | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/24 13:22 |
| S21 8 | 0 | rc near phase adj detect\$3 near adjust\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/24 13:06 |
| S21 9 | 1 | rc near phase adj1 detect\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/24 13:07 |
| S22 0 | 5 | phase adj1 detect\$3 near2 variable adj1 resist\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/24 13:10 |
| S22 1 | 714 | phase adj1 detect\$3 near2 adjust\$5 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/24 13:10 |
| S22 2 | 539 | S221 and (@ad<="20010930" or @pd<="20010930") | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/24 13:11 |
| S22 3 | 35 | S222 and variable near2 (resistor\$1 or resistance\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/24 13:21 |
| S22 4 | 18 | S223 and adjust\$4 adj2 phase | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/24 13:23 |
| S22 5 | 28 | variable near2 (resistor\$1 or resistance\$1) near phase adj1 shift\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/24 13:27 |
| S22 6 | 28 | S225 and (@ad<="20010930" or @pd<="20010930") | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/24 13:22 |
| S22 7 | 6 | S226 and adjust\$4 adj2 phase | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/24 13:27 |
| S22 8 | 31567 | "331"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/24 13:27 |

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| S22 9 | 2 | S228 and variable near2 (resistor\$1 or resistance\$1) near phase adj1 shift\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/10/24 13:28 |
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